

Rank in U.S. agriculture by selected commodities, 2003

Rank	Item	Unit	Quantity	Percent of U.S.	Leading state
			<i>Thousands</i>	<i>Percent</i>	
1	Beans, dry, black	Cwt	680	53.8	Michigan
	Beans, dry, cranberry	Cwt	142	74.7	Michigan
	Beans, dry, small red	Cwt	280	48.2	Michigan
	Blueberries	Pounds	62,000	32.8	Michigan
	Cherries, tart	Pounds	154,000	68.0	Michigan
	Cucumbers (for pickles)	Tons	180.9	27.9	Michigan
	Flowering hanging baskets	Number	4,781	12.2	Michigan
	Geraniums (seed and cuttings)	Pots	18,423	19.1	Michigan
	Grapes, Niagara	Tons	27.0	37.7	Michigan
	Impatiens	Flats	2,383	17.3	Michigan
	Petunias	Flats	1,641	14.2	Michigan
2	Carrots (fresh market)	Cwt	1,575	4.8	California
	Celery	Cwt	1,166	6.2	California
	Hosta	Pots	1,912	14.5	South Carolina
	Marigolds	Flats	823	12.7	California
	Other potted perennials	Pots	20,949	11.5	South Carolina
3	Apples	Pounds	840,000	9.8	Washington
	Asparagus	Cwt	317	15.5	California
	Beans, dry, all	Cwt	2,475	11.0	North Dakota
	Beans, dry, dark red kidney	Cwt	120	14.2	Minnesota
	Beans, dry, light red kidney	Cwt	239	21.5	Nebraska
	Beans, dry, navy	Cwt	592	23.5	North Dakota
	Vegetable type bedding plants	Flats	505	6.5	California
4	Carrots (processing)	Tons	33.6	7.6	Washington
	Cherries, sweet	Tons	13.0	5.2	Washington
	Cucumbers (fresh market)	Cwt	1,024	10.1	Florida
	Grapes, all	Tons	94.5	1.4	California
	Grapes, Concord	Tons	51.0	11.9	Washington
	Plums	Tons	3.6	22.1	California
	Pumpkins	Cwt	770	10.4	Illinois
	Squash	Cwt	1,178	14.6	California
	Sugarbeets	Tons	3,400	11.1	Minnesota
	Tomatoes (processing)	Tons	117.8	1.2	California
5	Beans, snap (processing)	Tons	45.0	6.2	Wisconsin
	Maple syrup	Gallons	59	4.8	Vermont
8	Milk	Pounds	6,360,000	3.7	California
10	Potatoes	Cwt	15,015	3.3	Idaho
11	Corn, for grain	Bushels	263,340	2.6	Iowa
13	Hogs, as of Dec. 1	Head	950	1.5	Iowa
	Soybeans	Bushels	53,730	2.2	Iowa
14	Wheat, winter	Bushels	44,880	2.6	Kansas
22	Hay, all	Tons	3,120	2.0	Texas
	Cash receipts	Dollars	3,390,072	1.8	California
30	Cattle, as of Jan. 1	Head	1,030	1.1	Texas

Number of farms and land in farms by economic sales class, 1999-2003 ¹

Year	Economic sales class					Total	Average size of farm
	\$1,000-\$9,999	\$10,000-\$99,999	\$100,000-\$249,999	\$250,000-\$499,999	\$500,000+		
	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	
1999	29.0	16.7	3.8	2.1	1.4	53.0	
2000	29.4	16.5	3.6	2.0	1.5	53.0	
2001	30.7	15.5	3.4	1.9	1.5	53.0	
2002	31.7	15.1	3.2	1.8	1.5	53.3	
2003	31.7	15.1	3.2	1.8	1.5	53.3	
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Acres</i>
1999	1.96	2.75	1.84	1.56	2.08	10.19	192
2000	1.97	2.70	1.78	1.57	2.13	10.15	192
2001	1.98	2.68	1.70	1.58	2.18	10.12	191
2002	1.99	2.66	1.63	1.59	2.22	10.09	189
2003	2.00	2.60	1.65	1.59	2.25	10.09	189

¹ USDA estimates of farm number and land in farms are based on the definition "a farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year."

Farm real estate: Values and cash rents, 2000-2004

Year	Farm real estate average value per acre	Cropland	
		Average value per acre	Average cash rent per acre
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2000	2,090	1,820	60
2001	2,280	1,980	60
2002	2,470	2,150	60
2003	2,680	2,350	60
2004	2,920	2,550	62

Farm Income

Net farm income in 2003 rose 57 percent to \$466 million. That includes \$255 million of government payments. The total agriculture output was \$4.43 billion dollars, up 7.9 percent from 2002. Production expenses were \$4.21 billion in 2003, up 5.5 percent from the previous year.

Preliminary cash receipts from 2003 marketings of Michigan crops, livestock and livestock products totaled \$3.82 billion, up 10.3 percent from 2002. Michigan ranked twenty-second nationally

in total cash receipts.

Crop receipts, at \$2.42 billion, were up 11.3 percent from 2002. Increases were noted in the market value of fruit crops, field crop and vegetable marketings. Livestock cash receipts were up 8.5 percent from a year earlier to \$1.40 billion.

In 2003, the top ten Michigan commodities ranked by cash receipts were: milk, corn, soybeans, annual bedding plants, cattle and calves, hogs, woody ornamentals, wheat, sugarbeets, and eggs.

Government payments, 1999-2003 ¹

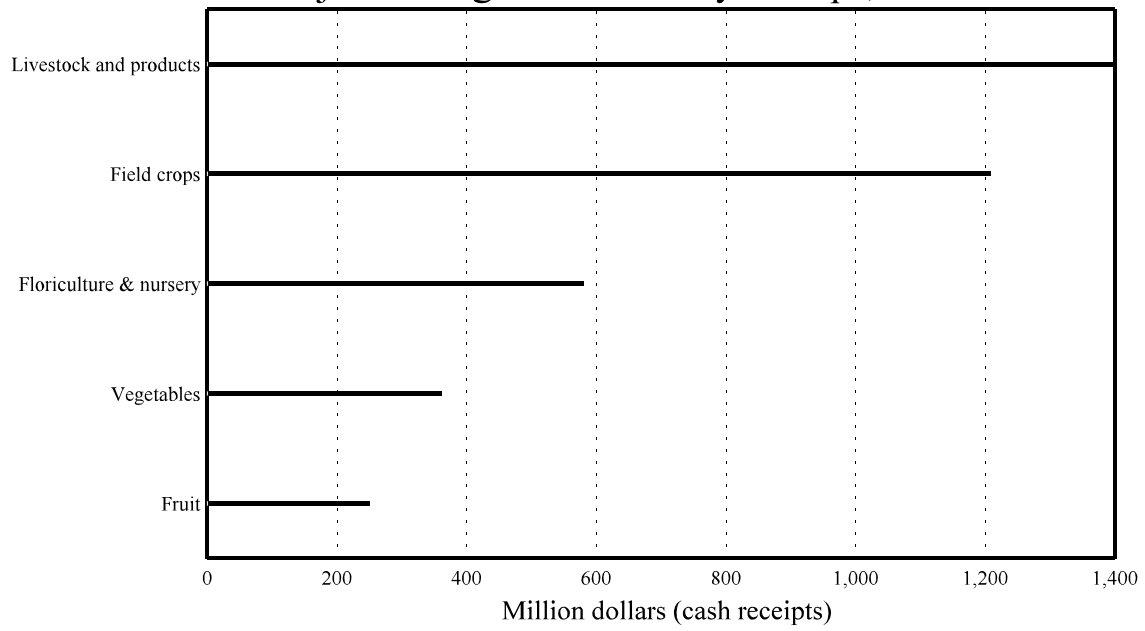
Program	1999	2000	2001	2002	2003
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Conservation programs	16,893	16,842	21,335	28,193	32,084
Production flexibility contract payments	87,116	87,564	68,405	59,438	-5,415
Direct payments	NA	NA	NA	1,684	122,138
Loan deficiency payments	131,482	112,565	101,666	24,332	897
Miscellaneous programs	10,569	17,713	17,962	² 37,651	² 67,998
Supplemental Funding	³ 143,076	146,372	143,398	NA	NA
Milk income loss payments	NA	NA	NA	37,215	37,271
Total	389,099	381,056	352,766	188,513	254,973

¹ Source: U.S. Department of Agriculture, Economic Research Service.

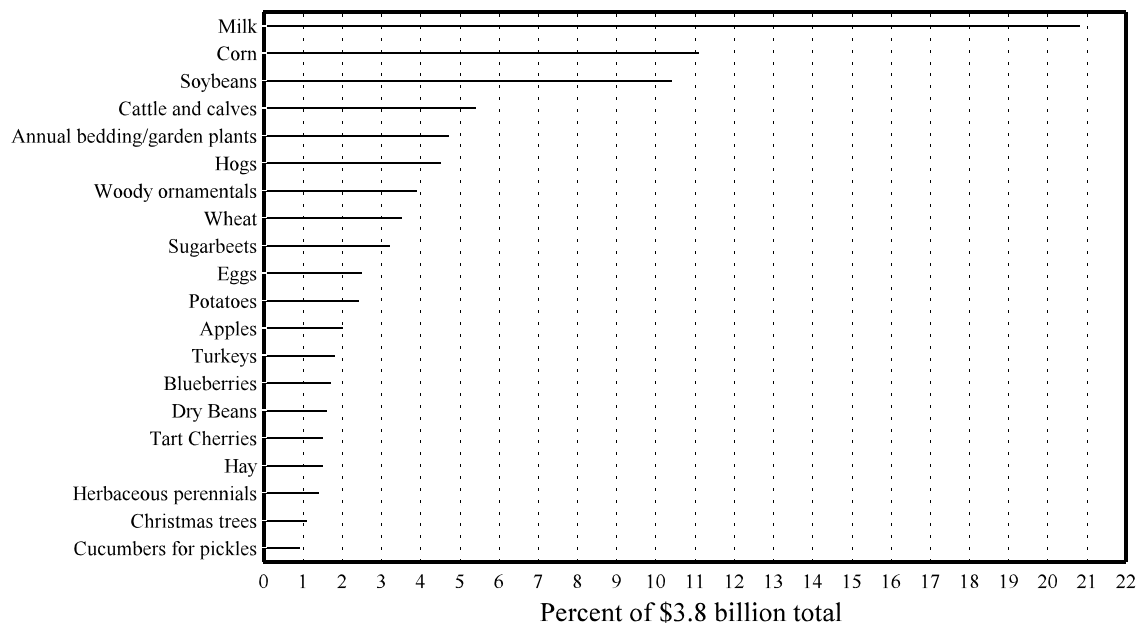
² Programs included are marketing loan gains, ad hoc payments, and counter cyclical payments; CAT, NAP, and repayments are no longer included.

³ Provided by the Omnibus Supplemental Appropriations Act of 1999 and the Emergency Assistance Provisions of Agriculture Appropriation 2000.

Major Michigan Commodity Groups, 2003



Top 20 Commodities in Cash Receipts, 2003



Value added to the economy by the Michigan agricultural sector 1999-2003 ¹

Item ²	1999	2000	2001	2002	2003
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Final crop output	2,272.3	2,000.8	1,888.1	2,264.5	2,401.2
Food grains	71.5	78.4	99.4	103.4	134.2
Feed crops	369.5	344.6	405.8	438.7	486.7
Oil crops	312.2	324.5	293.0	364.0	398.1
Fruits and tree nuts	246.4	238.5	214.7	155.1	250.5
Vegetables, potatoes, dry beans	452.0	402.6	349.6	400.7	421.4
All other crops	683.2	594.5	654.3	713.1	730.6
Home consumption	6.7	7.0	6.6	5.1	5.3
Value of inventory adjustment ³	130.8	10.7	-135.3	84.4	-25.6
Final animal output	1,299.1	1,314.6	1,511.2	1,285.8	1,445.6
Meat animals	387.9	458.7	442.9	371.7	385.1
Dairy products	801.4	729.5	883.1	733.3	793.8
Poultry and eggs	97.2	104.2	124.8	133.3	169.7
Miscellaneous livestock	47.6	47.1	47.2	51.7	50.7
Home consumption	3.4	2.6	2.4	1.9	2.0
Value of inventory adjustment ³	-38.5	-27.4	10.7	-6.1	44.4
Services and forestry	483.2	479.2	639.9	552.4	578.3
Machine hire and custom work	39.6	31.6	59.0	35.8	53.3
Forest products sold	10.0	10.0	10.0	11.9	11.9
Other farm income	95.6	92.6	125.0	95.6	97.7
Gross imputed rental value-farm dwellings	338.0	345.0	446.0	409.1	415.4
Final agricultural sector output	4,054.6	3,794.6	4,039.2	4,102.7	4,425.2
less: Purchased inputs	2,175.3	2,243.4	2,444.0	2,329.5	2,515.8
Farm origin	632.8	674.3	731.0	713.8	734.2
Feed purchased	329.7	345.0	372.0	347.8	375.0
Livestock and poultry purchased	45.3	54.9	61.1	44.1	42.3
Seed purchased	257.7	274.4	297.9	321.9	316.9
Manufactured inputs	643.3	689.1	706.4	674.8	784.4
Fertilizers and lime	238.3	241.2	265.3	232.4	286.5
Pesticides	224.1	233.2	221.1	225.3	242.9
Petroleum fuel and oils	124.7	159.8	160.7	153.9	175.0
Electricity	56.3	54.9	59.3	63.2	80.0
Other intermediate expenses	899.2	879.9	1,006.5	940.9	997.1
Repair and maintenance of capital items	298.8	276.1	379.4	359.5	334.4
Machine hire and custom work	68.5	72.2	116.6	47.2	27.5
Marketing, storage, and transp. Expenses	113.9	122.6	96.1	100.3	135.4
Contract labor	16.5	14.9	25.0	18.2	17.7
Miscellaneous expenses	401.5	394.1	389.4	415.7	482.2
plus: Net government transactions	167.6	132.5	99.8	-63.1	46.8
plus: Direct Government payments	401.4	381.1	352.8	188.5	255.0
less: Motor vehicle reg. And licensing fees	9.3	8.6	10.0	8.3	9.4
less: Property taxes	224.5	239.9	242.9	243.3	198.7
Gross value added	2,046.9	1,683.8	1,695.1	1,710.2	1,956.2
less: Capital consumption	562.5	581.0	594.8	603.3	602.2
Net value added	1,484.5	1,102.8	1,100.3	1,106.9	1,354.1
less: Payments to stakeholders	789.6	844.4	817.9	810.2	887.6
Employee compensation (total hired labor)	495.5	563.0	553.2	551.7	600.0
Net rent received by nonoperator landlords	37.6	9.8	18.1	24.5	50.6
Real estate and nonreal estate interest	256.5	271.6	246.6	234.0	237.0
Net farm income	694.9	258.4	282.3	296.7	466.5

¹ Source: U.S. Department of Agriculture, Economic Research Service.

² Final sector output is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production. Net farm income is the farm operator's share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

³ A positive value of inventory change represents current-year production not sold by December 1. A negative value is an offset to production from prior years included in current-year sales.

Cash receipts by commodity groups and selected commodities 1999-2003 ¹

Item	1999	2000	2001	2002	2003
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total cash receipts	3,468,953	3,322,484	3,514,867	3,464,912	3,820,824
Total livestock and products	1,334,222	1,339,468	1,498,038	1,289,953	1,399,301
Meat animals	387,946	458,683	442,850	371,705	385,053
Cattle and calves	235,830	255,892	227,930	204,587	207,722
Hogs	149,937	200,485	212,599	164,324	173,671
Sheep and lambs	2,179	2,306	2,321	2,794	3,660
Dairy (milk)	801,420	729,495	883,120	733,260	793,800
Poultry and eggs	97,214	104,230	124,843	133,282	169,734
Eggs	53,655	56,464	61,063	63,237	93,762
Turkeys	35,092	40,460	56,700	62,832	68,760
Other	8,467	7,306	7,080	7,213	7,212
Miscellaneous livestock	47,642	47,060	47,225	51,706	50,714
Honey	4,095	3,240	3,694	7,762	7,071
Mink pelts	1,339	1,719	1,445	1,809	1,744
Trout	1,113	1,037	823	663	346
Other	41,095	41,064	41,263	41,472	41,553
Total crops	2,134,731	1,983,016	2,016,829	2,174,959	2,421,523
Field crops	1,012,478	937,592	941,341	1,084,585	1,207,678
Corn	328,897	295,917	346,105	381,547	425,211
Dry beans	135,567	75,340	24,669	50,068	60,274
Hay	35,272	45,379	56,232	51,871	56,642
Soybeans	311,866	324,092	292,548	363,489	397,513
Sugarbeets	115,915	106,514	112,056	122,393	122,393
Wheat	70,789	77,613	98,841	102,938	133,686
Other	14,172	12,737	10,890	12,279	11,959
Vegetables	316,386	327,279	324,975	350,635	361,150
Asparagus	18,822	18,075	12,516	11,703	19,278
Beans, snap	19,493	16,778	15,614	16,321	11,208
Carrots	16,717	19,292	25,358	19,934	21,907
Celery	11,005	13,421	12,650	14,441	17,641
Corn, sweet	13,282	13,430	11,880	16,800	14,193
Cucumbers, fresh	22,506	25,192	24,200	20,520	20,890
Cucumbers, pickles	26,076	38,700	30,843	30,153	36,180
Onions	8,866	9,127	8,124	9,851	12,562
Peppers, green, fresh	9,600	10,395	8,008	9,600	9,900
Potatoes	82,258	87,362	91,478	93,143	90,145
Pumpkins	NA	8,448	6,336	13,056	14,308
Squash	NA	9,333	15,254	22,365	15,314
Tomatoes, fresh	16,549	18,115	13,230	12,810	16,456
Tomatoes, processing	7,308	6,804	8,432	10,458	10,408
Other	63,904	32,807	41,052	49,480	50,760
Fruit	246,377	238,523	214,682	155,110	250,457
Apples	98,551	91,304	78,217	67,091	74,927
Blueberries	54,660	55,140	49,840	52,240	63,120
Grapes	21,083	24,156	10,110	14,757	24,800
Peaches	5,440	11,340	12,503	4,452	7,790
Strawberries	6,412	6,145	4,682	5,228	6,320
Sweet cherries	14,149	10,290	11,092	2,222	11,662
Tart cherries	42,134	36,370	44,412	7,192	57,938
Other	3,948	3,778	3,826	1,928	3,900
Miscellaneous crops	16,551	17,670	20,086	21,851	22,274
Floriculture and nursery	542,939	461,952	515,745	562,778	579,964

¹ Source: U.S. Department of Agriculture, Economic Research Service.

Corn production costs and returns, excluding direct Government payments, 2001-2002

Item	United States		Northern Crescent ¹	
	2001	2002	2001	2002
	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>
Gross value of production	266.92	312.82	220.85	299.37
Operating costs:				
Seed	32.34	31.84	31.72	33.17
Fertilizer	47.72	35.49	45.36	35.51
Soil conditioners	0.12	0.12	0.44	0.45
Manure	2.65	2.13	10.37	8.78
Chemicals	26.44	26.11	25.40	25.43
Custom operations	10.94	10.79	11.08	11.47
Fuel, lube, and electricity	20.88	18.93	17.94	17.60
Repairs	13.76	13.91	13.93	14.54
Other variable cash expenses	0.22	0.22	0.00	0.00
Interest on operating capital	2.60	1.17	2.61	1.24
Total, operating costs	157.67	140.71	158.85	148.19
Allocated overhead:				
Hired labor	2.92	3.06	3.48	3.63
Opportunity cost of unpaid labor	24.96	25.74	34.54	34.17
Capital recovery of machinery and equipment	54.69	55.26	57.01	59.43
Opportunity cost of land (rental rate)	86.50	87.44	67.56	67.44
Taxes and insurance	5.49	5.42	5.72	5.65
General farm overhead	11.67	11.91	15.34	15.85
Total, allocated overhead	186.23	188.83	183.65	186.17
Total, costs listed	343.90	329.54	342.50	334.36
Value of production less total costs listed	-76.98	-16.72	-121.65	-34.99
Value of production less operating costs	109.25	172.11	62.00	151.18
Supporting information:				
Yield (bushels per planted acre)	144	134	118	127
Price (dollars per bushel at harvest)	1.84	2.32	1.84	2.32
Enterprise size (planted acres) ²	236	236	138	138
Production practices: ²				
Irrigated (percent)	14	14	4	4
Dryland (percent)	86	86	96	96

¹ Includes NE Minnesota, Wisconsin, Michigan, NE Ohio, Pennsylvania, New York, and New England.

² Developed from survey base year, 2001.

Livestock and products: Marketing year average prices received by farmers, 1999-2003

Marketing year	All hogs per cwt	All beef per cwt ¹	Cows per cwt ²	Steers and heifers per cwt	Milk cows per head ³	Calves per cwt	Market eggs per dozen	All milk wholesale per cwt	Turkeys per pound ⁴
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1999	29.80	50.50	35.30	58.70	1,310	68.90	0.420	14.80	0.41
2000	40.70	56.00	38.10	63.60	1,350	102.00	0.419	12.90	0.34
2001	41.70	58.80	41.70	66.10	1,460	109.00	0.437	15.20	0.35
2002	30.70	54.20	39.00	60.50	1,580	104.00	0.403	12.10	0.35
2003	35.00	63.00	41.60	72.00	1,370	92.50	0.595	12.60	0.36

¹ Combined price for "Cows" and "Steers and Heifers."

² Beef cows and cull dairy cows sold for slaughter.

³ Sold for dairy herd replacement only. Prices published January, April, July, and October.

⁴ Data not available prior to 1999.

Livestock and products: Monthly prices received by farmers, 2003-2004

2002-2003 Marketing years	All hogs per cwt	Beef cattle per cwt ¹	Cows per cwt ²	Steers and heifers per cwt	Milk cows per head ³	Calves per cwt	Market eggs per dozen	All milk wholesale per cwt
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2002								
December	28.40						0.540	
2003								
January	29.20	54.90	36.00	63.00	1,400	92.00	0.530	11.80
February	32.00	57.50	37.50	66.00		90.00	0.450	11.60
March	32.20	58.60	39.00	67.00		88.00	0.540	11.00
April	32.70	59.60	40.00	68.00	1,350	88.00	0.540	11.10
May	37.40	61.80	42.50	70.00		91.00	0.390	11.30
June	41.10	63.00	42.00	72.00		95.00	0.500	11.10
July	40.40	62.20	44.00	70.00	1,350	93.00	0.540	12.00
August	39.40	63.20	45.00	71.00		94.00	0.710	13.00
September	37.40	66.20	45.50	75.00		95.00	0.680	14.60
October	36.50	67.70	46.00	77.00	1,400	95.00	0.720	15.20
November	33.70	70.40	48.00	80.00		95.00	0.990	14.70
December		70.40	48.00	80.00		94.00		14.00
2003								
December	33.60						0.770	
2004								
January	34.10	64.60	45.00	73.00	1,450	90.00	0.840	13.30
February	39.40	64.50	47.00	72.00		95.00	0.780	13.60
March	43.40	66.30	46.00	75.00		95.00	1.030	15.30
April	43.10	67.60	48.00	76.00	1,600	100.00	0.590	18.00
May	49.30	72.60	53.00	81.00		110.00	0.450	19.70
June	52.20	75.00	54.00	84.00		120.00	0.490	19.70
July								
August								
September								
October								
November								
December								

¹ Combined price for "Cows" and "Steers and Heifers."

² Beef cows and cull dairy cows sold for slaughter.

³ Sold for dairy herd replacement only. Prices published January, April, July, and October.

Dry edible beans: Percent of sales by month, 1998-2003

Month	1998-99	1999-00	2000-01	2001-02	2002-03
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
September	30	49	10	5	12
October	12	17	23	13	27
November	6	3	14	23	16
December	10	3	28	18	4
January	20	3	10	11	4
February	5	1	4	9	2
March	3		5	7	8
April	4	3	1	4	2
May	7	2	2	2	
June	1	3	1	2	3
July	1	5	1	1	4
August	1	11	1	5	18

Corn: Percent of sales by month, 1998-2003

Month	1998-99	1999-00	2000-01	2001-02	2002-03
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
October	16	20	9	9	15
November	14	19	14	27	23
December	14	8	12	8	10
January	12	15	12	10	14
February	6	4	7	4	8
March	8	7	7	3	6
April	3	4	6	5	6
May	4	4	4	3	6
June	5	4	5	5	3
July	5	4	11	10	4
August	9	6	7	9	3
September	4	5	6	7	2

Hay: Percent of sales by month, 1998-2003

Month	1998-99	1999-00	2000-01	2001-02	2002-03
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
June	13	17	12	18	16
July	13	10	12	17	13
August	9	9	8	16	8
September	6	3	5	6	5
October	6	7	7	6	7
November	5	8	10	7	8
December	6	14	12	6	11
January	7	10	8	6	9
February	11	9	9	6	9
March	11	6	8	4	6
April	9	5	6	4	5
May	4	2	3	4	3

Oats: Percent of sales by month, 1998-2003

Month	1998-99	1999-00	2000-01	2001-02	2002-03
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	23	17	9	19	16
August	25	35	37	19	50
September	9	11	6	4	7
October	3	7	3	3	5
November	2	1	4	2	1
December	2	4	4	6	2
January	4	2	9	5	2
February	7	3	8	2	1
March	2	6	4	28	5
April	5	3	3	2	4
May	9	3	4	6	6
June	9	8	9	4	1

Soybeans: Percent of sales by month, 1998-2003

Month	1998-99	1999-00	2000-01	2001-02	2002-03
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
September	12	8	6	2	5
October	34	33	25	25	30
November	8	7	11	20	9
December	9	7	9	6	9
January	8	12	14	9	10
February	5	3	6	4	9
March	7	7	5	6	5
April	5	4	7	2	7
May	2	3	8	2	5
June	4	4	5	7	6
July	3	4	3	9	3
August	3	8	1	8	2

Wheat: Percent of sales by month, 1998-2003

Month	1998-99	1999-00	2000-01	2001-02	2002-03
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	30	42	32	50	49
August	12	18	15	18	19
September	21	2	12	7	8
October	4	2	6	4	6
November	3	1	1	2	1
December	6	1	3	4	1
January	5	12	11	4	4
February	3	2	6	3	2
March	6	12	5	1	1
April	3	3	5	4	2
May	3	2	2	1	2
June	4	3	2	2	5

Crops: Marketing year average prices received by farmers, 1999-2003 ¹

Year	Corn per bushel	Winter wheat per bushel	Oats per bushel	Soybeans per bushel	Dry beans per cwt	Navy beans per cwt	Fall potatoes per cwt	All hay per ton	Alfalfa hay per ton
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1999	1.78	2.12	1.35	4.61	16.80	NA	6.80	69.00	72.00
2000	1.90	2.11	1.30	4.54	13.70	NA	6.70	62.50	64.50
2001	1.97	2.43	1.80	4.47	24.60	NA	7.65	70.50	73.50
2002	2.34	3.28	1.80	5.62	15.30	NA	7.80	84.50	86.50
2003	2.40	3.30	1.60	7.20	18.60	NA	7.05	89.00	95.00

¹ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings during specific periods. Prices do not include allowance for CCC loans outstanding, purchases by the government, or deficiency payments.

Crops: Monthly prices received by farmers, 2002-2003

Year	Corn per bushel	Winter wheat per bushel	Oats per bushel	Soybeans per bushel	Dry beans per cwt	Navy beans per cwt	Fall potatoes per cwt	All hay per ton	Alfalfa hay per ton
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2002									
June								54.00	55.00
July		3.11	1.80				9.70	63.00	65.00
August		3.34	1.70				7.20	85.00	85.00
September		3.54	1.66	5.37	15.70	15.00	6.50	84.00	85.00
October	2.33	3.76	(²)	5.27	14.80	14.80	6.40	89.00	90.00
November	2.31	3.87	1.64	5.59	13.00	11.40	7.05	104.00	105.00
December	2.30	3.39	1.82	5.66	15.20	13.00	7.40	99.00	100.00
2003									
January	2.33	3.53	1.97	5.68	17.40	10.50	7.75	95.00	95.00
February	2.36	3.17	1.84	5.63	15.70	11.60	8.10	98.00	100.00
March	2.41	3.35	2.39	5.73	12.50	9.50	8.70	103.00	105.00
April	2.43	3.26	2.15	5.94	17.70	11.60	9.10	99.00	100.00
May	2.45	3.20	2.13	6.28	15.20	12.60	9.30	99.00	100.00
June	2.43	(²)	2.22	6.08	14.00	13.90	(¹)		
July	2.26			6.04	18.50	15.10			
August	2.23			5.91	17.80	15.60			
September	2.28								
2003									
June								89.00	95.00
July		3.10	1.84				8.70	89.00	95.00
August		3.26	1.53				6.20	90.00	90.00
September		3.20	1.52	6.16	18.40	17.50	5.40	89.00	90.00
October	2.06	3.19	1.52	6.55	18.70	17.70	5.30	84.00	85.00
November	2.09	3.51	1.63	6.96	18.80	17.60	6.70	99.00	100.00
December	2.23	3.63	1.96	7.06	19.00	20.00	7.05	99.00	100.00
2004									
January	2.35	3.58	1.88	7.25	18.80	17.10	7.10	99.00	100.00
February	2.62	3.75	(²)	8.21	20.50	18.60	7.40	103.00	105.00
March	2.78	3.64	1.96	9.01	21.10	19.60	7.90	98.00	100.00
April	2.92	3.74	2.07	9.57	20.10	18.30	8.25	114.00	115.00
May	2.82	3.63	2.07	9.54	21.40	20.00	8.40	99.00	100.00
June	2.77	3.16	2.09	9.01	19.90	19.90	(¹)	84.00	90.00
July									
August									
September									

¹ Insufficient sales to establish a price.

² Price not published to avoid disclosure of individual firms.

Prices paid by farmers, 2000-2004 ¹

Item	Unit	2000	2001	2002	2003	2004
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Dairy feed, 16% protein ²	Ton	167	184	184	190	216
Hog concentrate, 38-42% protein ²	Ton	288	290	298	313	393
Soybean meal, 44% protein ²	Cwt	10.90	11.00	11.50	11.70	17.40
Gasoline, unleaded, bulk ²	Gallon	1.48	1.48	1.40	1.64	1.76
Diesel fuel ²	Gallon	1.12	1.15	1.00	1.28	1.32
Tractor, 110-129 hp ³	Each	62,400	63,000	63,700	63,800	65,700
Tractor, 200-280 hp, 4-wd ³	Each	120,000	127,000	132,000	133,000	141,000
Planter, row crop, 8-row ³	Each	26,900	28,800	29,000	30,000	32,000
Grain drill, press, 23-25 openers ³	Each	17,500	18,500	23,100	20,300	22,600
Combine, self-prop. W/ grain head, large cap. ³	Each	146,000	152,000	156,000	159,000	180,000
Ammonium nitrate ⁴	Ton	181	243	180	224	243
Muriate of potash 60-62% K ₂ O ⁴	Ton	162	167	161	162	178
Superphosphate, 44-46% P ₂ O ₅ ⁴	Ton	227	229	215	238	261
Anhydrous ammonia ⁴	Ton	231	408	254	368	387
Atrazine, 4#/gallon ³	Gallon	13.60	12.50	12.20	12.30	12.20
Roundup, 4#/gallon EC ³	Gallon	43.30	44.50	43.50	43.30	39.70
Harness, Surpass, 6.4-7#/gallon ³	Gallon	68.40	68.90	68.10	68.20	71.40
Dual, 8#/gallon EC ³	Gallon	82.60	94.50	99.00	104.00	106.00
Captan, 50% WP ³	Pound	3.45	3.61	3.76	3.50	3.52
Ziram, 76% WP ³	Pound	2.72	2.82	2.82	2.70	2.67
Guthion, 50% WP ³	Pound	9.68	9.87	10.60	10.60	10.70
Imidan, Prolate, 50% WP ³	Pound	6.59	6.98	7.30	7.40	7.45

EC=Emulsifiable concentrate. WP=Wettable powder.

¹ Regional and U.S. data only. Published in April.

² Lake States=MI, MN, WI.

³ United States.

⁴ North Central Region=IL,IN, IA, MI, MN, MO, OH, WI.

Farm production expenses, 1999-2003

Item	1999	2000	2001	2002	2003
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Feed purchased	329.7	345.0	372.0	347.8	375.0
Livestock and poultry purchased	45.3	54.9	61.1	44.1	42.3
Seed purchased	257.7	274.4	297.9	321.9	316.9
Fertilizers and lime	238.3	241.2	265.3	232.4	286.5
Pesticides	224.1	233.2	221.1	225.3	242.9
Petroleum fuel and oils	124.7	159.8	160.7	153.9	175.0
Electricity	56.3	54.9	59.3	63.2	80.0
Repair and maintenance of capital items	298.8	276.1	379.4	359.5	334.4
Machine hire and custom work	68.5	72.2	116.6	47.2	27.5
Contract and hired labor expenses	512.1	577.9	578.2	569.9	617.7
Marketing, storage, and transportation expenses	113.9	122.6	96.1	100.3	135.4
Capital consumption	562.5	581.0	594.8	603.3	602.2
Real estate and nonreal estate interest	256.5	271.6	246.6	234.0	237.0
Property taxes	224.5	239.9	242.9	243.3	198.7
Net rent received by nonoperator landlords	37.6	9.8	18.1	24.5	50.6
Miscellaneous expenses	401.5	394.1	389.4	415.7	482.2
Total production expenses	3,751.8	3,908.6	4,099.7	3,986.2	4,204.3

Farm Labor

Hired farm workers: Annual average wage rates, 1999-2003

Year	All hired workers	Field workers	Field and livestock workers
	<i>Dollars per hour</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>
1999	8.21	7.44	7.37
2000	8.77	7.87	7.93
2001	8.96	8.15	8.18
2002	9.62	8.62	8.66
2003	9.74	8.42	8.86

Agricultural Exports

Michigan ranked twenty-third in agricultural exports for fiscal year 2002. The table below shows the value of agricultural exports by commodity group. The data are calculated annually by commodity based on each States' share of the U.S. agricultural

production. The top seven commodities accounted for 81.5 percent of the State's agricultural exports. The total value of agricultural exports from Michigan in 2002 was estimated at \$735 million.

Michigan agricultural exports: Fiscal year 2003

Commodity	Value	Percent of total	Rank in U.S.
	<i>Million dollars</i>	<i>Percent</i>	<i>Number</i>
Soybeans and products	236.2	28.0	11
Feed grains and products	158.7	18.8	12
Vegetables and preparations	121.7	14.4	8
Other ¹	68.3	8.1	16
Live animals and meat, excluding poultry	61.7	7.3	21
Wheat and products	54.2	6.4	27
Fruits and preparations	48.2	5.7	6
Hides and skins	26.8	3.2	15
Seeds	18.0	2.1	13
Feeds and fodders	17.3	2.1	26
Dairy products	12.4	1.5	17
Poultry and products	11.7	1.4	25
Fats, oils, and greases	7.1	0.8	15
Total	842.4		23

¹ Sugar and tropical products, minor oilseeds, essential oils, beverages other than juice, nursery and greenhouse, wine, and miscellaneous vegetable products.

Source: U.S. Department of Agriculture, Economic Research Service, www.ers.usda.gov/data/fatus.

Agricultural exports from Michigan: Top 10 destinations, 2002-2003

Country	2002	2003
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Canada	198,723	228,543
Mexico	11,383	19,889
France	1,893	13,438
Japan	4,540	9,031
Italy	5,340	4,469
Austria	27	2,457
South Africa	582	1,121
United Kingdom	1,661	998
South Korea	417	880
Portugal	492	795

Source: U.S. Department of Commerce, International Trade Administration, www.ita.doc.gov.